Welcome and BSA Vision & Role at BNL

DOE-NP annual S&T Review of RHIC July 24-26, 2006

S. Aronson

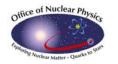
(Interim Director & BSA President)





Brookhaven Science Associates

- Brookhaven Science Associates (BSA) was established 8 years ago
- BSA's sole purpose is managing and operating Brookhaven National Laboratory
- A 50-50 partnership between Battelle Memorial Institute and The Research Foundation of the State University of New York on behalf of SUNY-Stony Brook

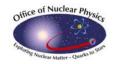




BSA Board of Directors

- BSA is governed by a 16-member Board of Directors
 - Five appointed by the Research Foundation
 - Five by Battelle
 - One each from six of the nation's premier research universities: Columbia, Cornell, Harvard, MIT, Princeton, Yale
- Chairperson is either the President of SUNY-SB or the CEO of Battelle
 - 2-year alternating terms (chair

 vice chair)
 - Current chair is Shirley Strum Kenny, SUNY-SB
- The Board is responsible for:
 - Setting overall Laboratory policy and direction
 - Conducting an annual review of overall contract performance
 - Conducting independent corporate self assessments
 - Providing advice and assistance to the Laboratory Director on significant scientific, technical, or management issues





BSA Board Members

Research Foundation

- Dr. Shirley Strum Kenny (c)
- Dr. Robert McGrath
- Dr. James Simons
- Evelyn Berezin
- Richard Gelfond

Battelle

- Dr. Carl F. Kohrt (vc)
- Dennis McGinn
- I. Martin Inglis
- Dr. William J. Madia
- Donald McConnell

Universities

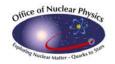
- Columbia: Prof. David Hirsh
- Cornell: Prof. Robert C. Richardson
- Harvard: Prof. John Huchra
- MIT: Prof. Robert Redwine
- Princeton: Prof. A.J. Stewart Smith
- Yale: Prof. Paul A. Fleury





Science & Technology Steering Committee

- Assists the Board in it policy/direction-setting function
 - S&TSC serves at the pleasure of the Board.
 - Consists of two members selected by each Board Institution (16 members), and up to four additional members nominated by the BNL Director
 - Assure broad and diverse programmatic coverage
 - Members of the S&TSC serve for 3-year staggered terms, which can be renewed as appropriate
 - Chair and Deputy Chair elected for 3-year terms
 - Meets 3 times/year, set by the Deputy Director for S&T together with the S&TSC chair
 - Next meeting this coming Thursday-Friday!





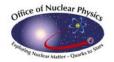
Science & Technology Steering Committee

S&TSC Reporting

- To the BSA Board (S&TSC chair is a non-voting member of the Board)
- Its findings to the BNL Director and Deputy Director for S&T

Responsibilities

- Advises the BSA Board on searches for Director and Deputy Director for S&T
- Provides scientific advice, guidance to the Director and Deputy Director for S&T
- Oversees the self-assessment of S&T programs and provides QA
- Is provided with overviews of research proposals, projects, progress, and provides formal comments to the Director and cognizant ALDs
- Commissions independent visiting committees and peer reviews on a regular basis, and can establish ad hoc study panels in cooperation with the Deputy Director for S&T
- Conducts reviews of tenure cases and makes recommendations to the Board
- Is advised of termination of employment of tenured scientists and makes a recommendation to the Board





S&TSC Membership

- Dr. Charles Baltay (Physics, Yale)
- Dr. Barbara A. Baird (Chemistry, Cornell)
- Dr. Karen Berman (Neuroimaging, NIMH)
- Dr. David J. Galas (Lab Ops, Battelle)
- Dr. Wayne A. Hendrickson (Biochem./ Molecular Biophysics, Columbia)
- Dr. John Huth (Physics, Harvard)
- Dr. Barbara Jacak (Physics, Stony Brook)
- Dr. Robert Jaffe (chair) (Physics, MIT)

- Dr. Robert Liebermann (Earth Sciences, Stony Brook)
- Dr. David Litster (Physics, MIT)
- Dr. Peter B. Moore (Chemistry, Yale)
- Dr. David Rubin (Physics, Cornell)
- Dr. Frans Spaepen (Eng. & Appl. Sci., Harvard)
- Dr. Gerald Stokes (Lab Ops, Battelle)
- Dr. Ali Yazdani (Physics, Princeton)
- Prof. William Zajc (Physics, Columbia)

New members (Director's nominees) being selected now





BSA's Vision for BNL and NP

Major Lab Initiatives

- World leadership with evolution of RHIC into a broadbased QCD laboratory - RHIC → RHIC II + eRHIC
- US leadership in nanoscience with construction and operation of CFN
- US leadership with construction and operation of 4th generation medium energy light source - NSLS II

Additional initiatives

- Translational biomedical imaging
- Computational science
- Energy-related R&D
- Long baseline neutrino oscillations, dark energy





Thoughts on this review

- The RHIC program is a story of continuing (and hopefully not discounted!) outstanding performance both research and operations
- I think the most important subject of this review is the *future* of the RHIC program:
 - The Mid-term strategic plan
 - The EBIS construction project
 - The R&D and near-term construction → RHIC II
 - E-cooling, detectors
 - Nuclear theory and computational QCD
 - QCDOC, BlueGene/L
 - Related factors: ops costs, LHC, etc.
 - Feeds into the upcoming Long Range Plan exercise



